

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33383

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : G01R 33/02, 23/00, 23/16; G01F 19/00 US CL : 324/248,244 702/75,76,77 According to International Patent Classification (IPC) or to both national classification and IPC																	
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 324/248,244,228,239,249; 702/75,76,77, 326/5; 600/409; 505/162 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST, US-PAT, US-PGPPUBS, EPO, JPO, Derwent, IBM-TDB, Yahoo																	
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 5,343,147 A (SAGER et al.) 08 August 1994 (08.08.1994), entire document.</td> <td>1-3,7-9,11,12,26-39</td> </tr> <tr> <td>Y</td> <td>US 6,084,399 A (NAGAISHA et al.) 04 July 2000 (04.07.2000), FIG. 2, items 2 and 4 and col. 4, line 31 to col. 5, line 23.</td> <td>1-3,7-9,11,12,26-39</td> </tr> <tr> <td>Y</td> <td>US 5,696,691 A (SCHLOSSER et al.) 09 December 1997 (09.12.1997), col. 1, line 52 to col. 2, line 31.</td> <td>2,3,12</td> </tr> <tr> <td>Y</td> <td>US 5,944,782 A (NOBLE et al.) 31 August 1999 (31.08.1999), claim 13 and col. 3, lines 49-67.</td> <td>31-36</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 5,343,147 A (SAGER et al.) 08 August 1994 (08.08.1994), entire document.	1-3,7-9,11,12,26-39	Y	US 6,084,399 A (NAGAISHA et al.) 04 July 2000 (04.07.2000), FIG. 2, items 2 and 4 and col. 4, line 31 to col. 5, line 23.	1-3,7-9,11,12,26-39	Y	US 5,696,691 A (SCHLOSSER et al.) 09 December 1997 (09.12.1997), col. 1, line 52 to col. 2, line 31.	2,3,12	Y	US 5,944,782 A (NOBLE et al.) 31 August 1999 (31.08.1999), claim 13 and col. 3, lines 49-67.	31-36
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																	
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Date of the actual completion of the international search 08 March 2005 (08.03.2005)		Date of mailing of the international search report 27 MAY 2005															
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Kenneth J Whittington Telephone No. (571) 272-2800 DEBORAH A. THOMAS PARALEGAL SPECIALIST GROUP 1300 pat															

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## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 24 and 25  
because they relate to subject matter not required to be searched by this Authority, namely:  
The claims were non-statutory under 35 USC 101.
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐  
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

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